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**IN THE UNITED STATES PATENT DESIGNATED OFFICE (DO/US)**  
**(National Phase of International App.: PCT/GB00/00323, W/O 00/46619)**

In re the application of:

**Paulo Vicente DA SILVA MARQUES et al.**

International Application No.: **PCT/GB00/00323**

International Filing Date: **07 February 2000**

U.S. Serial No.: **Not Yet Assigned**

Filed: **Herewith**

For: **OPTICAL WAVEGUIDE WITH MULTIPLE  
CORE LAYERS AND METHOD OF  
FABRICATION THEREOF**

Attorney Docket No.: **MCW-002US**

**BOX PCT**

Commissioner for Patents

Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

Dear Sir:

Preliminary to examination of the above-referenced patent application, please amend the enclosed above-titled International patent application as follows.

**In the Claims**

Please amend claims 4, 5, 8-11, 13, 14, 16, 17, 20-26, 28, 29, 33, 36, 39, 42, 50, 53, 55, 57, 58, 62, 65-67, 69-72, 77 and 78 as follows:

- A1**
4. (Amended) A waveguide as claimed in claim 1, wherein the substrate comprises silicon and/or silica and/or sapphire.